

Introduction to Trigonometry with Applications

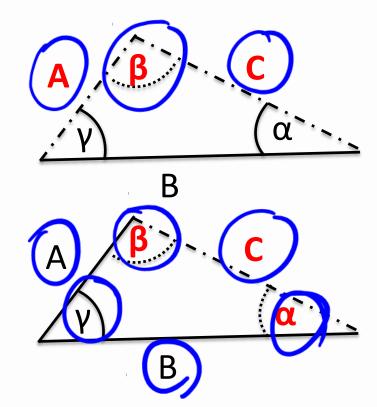
ANALYSIS USING TRIANGLES - PART A

PROFESSOR PANOS S. SHIAKOLAS
MECHANICAL AND AEROSPACE ENGINEERING DEPARTMENT
COLLEGE OF ENGINEERING
UNIVERSITY OF TEXAS AT ARI INGTON





 The analysis will require to estimate the length of each side, the angles and the area of a triangle given the minimum required information



Analysis using Triangles

- Given: one side, B, and adjacent angles (α, γ) .
- Find: sides A and C, and angle β.
- Remember the sum of all angles for a triangle is equal to 180°.